

Title (en)
Door coupler and locking mechanism

Title (de)
Türkuppler und Verriegelungsmechanismus

Title (fr)
Coupleur de porte et mécanisme de verrouillage

Publication
EP 2287104 B1 20130828 (DE)

Application
EP 09012162 A 20090924

Priority
DE 102009038486 A 20090821

Abstract (en)
[origin: EP2287104A1] The device has driver runners (9, 10) fastened to a door, where a distance between the runners varies relative to each other. A movement of the runners is determined by elongated holes (16, 17). Pins (18) retaining the runners run into the elongated holes such that the relative distance between the runners is partially changed, when the elongated holes move along the pins. A longitudinal axis of the elongated holes runs in a direction that deflects from a direction of clutch surfaces (19, 20) of each runner and from a direction of normal to the clutch surfaces.

IPC 8 full level
B66B 13/12 (2006.01)

CPC (source: EP)
B66B 13/12 (2013.01); **B66B 19/007** (2013.01)

Cited by
DE202014102534U1; US10040669B2; EP3228575A1; CN108082441A; WO2012163940A1; DE202014102533U1; EP2944597A2; US9637350B2; EP2944598A1; US9834413B2; EP3556707A1; EP4129879A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2287104 A1 20110223; EP 2287104 B1 20130828; AR 077894 A1 20110928; BR 112012003489 A2 20170808; BR 112012003489 B1 20210727; CN 102666349 A 20120912; CN 102666349 B 20140625; ES 2436508 T3 20140102; RU 2012105079 A 20130927; RU 2543475 C2 20150227; WO 2011020877 A1 20110224

DOCDB simple family (application)
EP 09012162 A 20090924; AR P100103049 A 20100820; BR 112012003489 A 20100819; CN 201080037418 A 20100819; EP 2010062097 W 20100819; ES 09012162 T 20090924; RU 2012105079 A 20100819